

FEB 12 2001  
 RECEIVED  
 FEB 28 2001  
 TECH CENTER 16002000

<b>INFORMATION DISCLOSURE STATEMENT</b>	<b>Atty. Docket No.:</b> 290.0009 0101	<b>Serial No.:</b> 09/640,952
	<b>Applicant(s):</b> Michael S. Kinch et al.	
	<b>Filing Date:</b> August 17, 2000	<b>Group:</b> 1645
	(Empty space for additional information)	

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
NAD	5,876,949	03/02/99	Dreyfuss et al.			
↓	5,872,223	02/16/99	Uckun			
↓	5,811,098	09/22/98	Plowman et al.			
↓	5,770,195	06/23/98	Hudziak et al.			
↓	5,514,554	05/07/96	Bacus			

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
	NONE						

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

NAD	P. Agre et al., "The human tumor cloning assay in cancer drug development", <u>Investigational New Drugs</u> , 1, 033-045 (1983)
↓	S.-N. Bae et al., "Molecular and cellular analysis of basement membrane invasion by human breast cancer cells in Matrigel-based <i>in vitro</i> assays," <u>Breast Cancer Res. Treat.</u> , 24, 241-255 (1993).
↓	T. D. Bartley et al., "B61 is a ligand for the ECK receptor protein-tyrosine kinase," <u>Nature</u> , 368, 558-560 (1994).
↓	J. Baselga et al., "Recombinant Humanized Anti-HER2 Antibody (Herceptin™) Enhances the Antitumor Activity of Paclitaxel and Doxorubicin against HER2/ <i>neu</i> Overexpressing Human Breast Cancer Xenografts," <u>Cancer Res.</u> , 58, 2825-2831 (1998).
↓	W. Birchmeier, "E-cadherin as a tumor (invasion) suppressor gene", <u>Bioessays</u> , 17 97-99 (1995)
↓	J. Bynum et al., "Development of Class-Switched, Affinity-Matured Monoclonal Antibodies Following a 7-Day Immunization Schedule", <u>Hybridoma</u> , 18 407 - 411 (October, 1999)
↓	W. G. Cance et al., "Protein kinases in human breast cancer", <u>Breast Cancer Research and Treatment</u> , 35, 105-114 (1995)

<b>EXAMINER</b> <i>Natalie Davis</i>	<b>Date Considered</b> <i>6-20-01</i>
--------------------------------------	---------------------------------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FEB 12 2001

B No. 0651-0611

Page 2 of 6

# INFORMATION DISCLOSURE STATEMENT

Atty. Docket No.: 290.0009 0101

Serial No. 09/640,552

Applicant(s): Michael S. Kinch et al.

Filing Date: August 17, 2000

Group: 1645

NAD		G. J. Clark et al., "Overexpression of the Ras-related TC21/R-Ras2 protein may contribute to the development of human breast cancers," <u>Oncogene</u> , <u>12</u> , 169-176 (1996).
		S. Davis et al., "Ligands for EPH-related receptor tyrosine kinases that require membrane attachment or clustering for activity," <u>Science</u> , <u>266</u> , 816-819 (1994).
		V. T. DeVita, Jr., "Principles of Cancer Management: Chemotherapy", <u>Cancer: Principles and Practice of Oncology, Fifth Edition</u> , V. T. Devita Jr. et al., Eds., Lippincott-Raven, Philadelphia, 333-347 (1997)
		R. B. Dickson et al., "Growth factors in breast cancer," <u>Endocrine Rev.</u> , <u>16</u> , 559-589 (1995).
		D. J. Easty et al., "Abnormal protein tyrosine kinase gene expression during melanoma progression and metastasis," <u>Intl. J. Cancer</u> , <u>60</u> , 129-136 (1995).
		Eph Nomenclature Committee, "Unified Nomenclature for Eph Family Receptors and Their Ligands, the Ephrins", <u>Cell</u> , <u>90</u> , 403-404, (1997)
		I. J. Fidler, "Molecular Biology of Cancer: Invasion and Metastasis", In <u>Cancer: Principles and Practice of Oncology</u> , V. T. Devita et al, eds. (Philadelphia: Lippincott-Raven), p. 135-152 (1997)
		S. M. Frisch, "Integrins and anoikis", <u>Current Opinion in Cell Biology</u> , <u>9</u> , 701-706 (1997)
		D. W. Fry et al., "Inhibitors of protein tyrosine kinases", <u>Current Opinion in Biotechnology</u> , <u>6</u> , 662-667 (1995)
		N. W. Gale et al., "Ephrins and their receptors: a repulsive topic?", <u>Cell Tissue Res.</u> , <u>290</u> , 227-241 (1997)
		D. Giunciuglio et al., "Invasive phenotype of MCF10A cells overexpressing c-Ha-ras and c-erb-2 oncogenes," <u>Intl. J. Cancer</u> , <u>63</u> , 815-822 (1995).
		J. R. Glenney, Jr. et al., "Novel Tyrosine Kinase Substrates from Rous Sarcoma Virus-transformed Cells are Present in the Membrane Skeleton", <u>The Journal of Cell Biology</u> , <u>108</u> , 2401-2408 (1989)
		A. W. Hamburger, "The Human Tumor Clonogenic Assay as a Model System in Cell Biology", <u>International Journal of Cell Cloning</u> , <u>5</u> , 89-107 (1987)
		D. Hanahan et al., "The hallmarks of cancer", <u>Cell</u> , <u>100</u> 57-70 (January 7, 2000)
↓		D. E. Henson, "Molecular and genetic targets in early detection", <u>Current Opinion in Oncology</u> , <u>11</u> , 419-425 (1999)

EXAMINER

Natalie Davis

Date Considered

6-20-01

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FEB 12 2001

B No. 0651-0011

Page 3 of 6

**INFORMATION  
DISCLOSURE  
STATEMENT**

Atty. Docket No.: 290.0009 0101

Serial No.: 097640,952

Applicant(s): Michael S. Kinch et al.

Filing Date: August 17, 2000

Group: 1645

NAD		S. J. Holland et al., "Cell-contact-dependent signalling in axon growth and guidance: Eph receptor tyrosine kinases and receptor protein tyrosine phosphatase beta. <u>Curr Opinion Neurobiol.</u> , <u>8</u> 117-127 (1998)
		R. M. Hudziak et al., "p185 <sup>HER2</sup> Monoclonal Antibody Has Antiproliferative Effects In Vitro and Sensitizes Human Breast Tumor Cells to Tumor Necrosis Factor," <u>Mol. Cell Biol.</u> , <u>9</u> , 1165-1172 (1989).
		J. Huai et al., "Investigation of a Possible Receptor Function of Ephrina Ligands", <u>European Journal of Neuroscience</u> , <u>12</u> , 179 (September 2000)
		T. Hunter, "Oncoprotein networks", <u>Cell</u> , <u>88</u> 333-346 (1997)
		S. B. Kanner et al., "Monoclonal antibodies to individual tyrosine-phosphorylated protein substrates of oncogene-encoded tyrosine kinases", <u>Proc. Natl. Acad. Sci. USA</u> , <u>87</u> , 3328-3332, (May 1990)
		P. Keely et al. "Integrins and GTPases in tumour cell growth, motility and invasion", <u>Trends Cell Biol.</u> , <u>8</u> 101-106 (1998)
		K. Kilpatrick et al., "Gene Gun Delivered DNA-Based Immunizations Mediate Rapid Production of Murine Monoclonal Antibodies to the Flt-3 Receptor", <u>Hybridoma</u> , <u>17</u> , 569-576 (1998)
		K. Kilpatrick et al., "High Affinity Monoclonal Antibodies to PED/PEA-15 Generated Using 5 µg of DNA", <u>Hybridoma</u> , <u>19</u> , 297-302 (August 2000)
		K. Kilpatrick et al., "Rapid Development of Affinity Matured Monoclonal Antibodies Using RIMMS," <u>Hybridoma</u> , <u>16</u> , 381-389 (1997).
		M. S. Kinch et al., "Identification of Tyrosine Phosphorylated Adhesion Proteins in Human Cancer Cells," <u>Hybridoma</u> , <u>17</u> , 227-235 (1998).
		M. S. Kinch et al., "Tyrosine phosphorylation regulates the adhesions of ras-transformed breast epithelia," <u>J. Cell Biol.</u> , <u>130</u> , 461-471 (1995).
		B. S. Kondapaka et al., "Tyrosine kinase inhibitor as a novel signal transduction and antiproliferative agent: prostate cancer", <u>Molecular and Cellular Endocrinology</u> , <u>117</u> , 53-58 (1996)
		J. A. Lawrence, "Mechanisms of tumor invasion and metastasis", <u>World J. Urol.</u> , <u>14</u> , 124-130 (1996)
✓		A. Levitzki, "Tyrosine Kinase Inhibition: An Approach to Drug Development", <u>Science</u> , <u>267</u> , 1782-1788 (1995)

EXAMINER

Natalie Davis

Date Considered

6-20-01

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FEB 1 2 2001

B N REC 0011  
Page 4 of 6

<b>INFORMATION DISCLOSURE STATEMENT</b>	<b>Atty. Docket No.:</b> 290.0009 0101	<b>Serial No.:</b> 09/600952
	<b>Applicant(s):</b> Michael S. Kinch et al.	
	<b>Filing Date:</b> August 17, 2000	<b>Group:</b> 1645

NAD		G. D. Lewis et al., "Differential responses of human tumor cell lines to anti-p185 <sup>HER2</sup> monoclonal antibodies," <u>Cancer Immunol. Immunother.</u> , <b>37</b> , 255-263 (1993).
		R. Lindberg et al., "cDNA Cloning and Characterization of Eck, an Epithelial Cell Receptor Protein-tyrosine Kinase in the Eph/elk Family of Protein Kinases," <u>Mol. Cell Biol.</u> , <b>10</b> (12):6316-6324 (December 1990).
		R. K. Malik et al., "Integrin-mediated signaling in normal and malignant cells: a role of protein tyrosine kinases", <u>Biochimica et Biophysica Acta</u> , <b>1287</b> , 73-76 (1996)
		H. Miao et al., "Activation of EphA2 kinase suppresses integrin function and causes focal-adhesion-kinase dephosphorylation," <u>Nat. Cell Biol.</u> , <b>2</b> (2):62-69 (February 2000).
		F. R. Miller et al., "Xenograft model of progressive human proliferative breast disease", <u>J. Natl Cancer Instit.</u> , <b>85</b> , 1725-1732 (1993)
		M. Nakamoto, "Eph receptors and ephrins", <u>Int'l. J. Biochem. Cell Biol.</u> , <b>32</b> , 7-12 (2000)
		H. F. Oettgen et al., "The History of Cancer Immunotherapy," in <u>Biologic Therapy of Cancer</u> , Devita et al., eds., Lippincott, Philadelphia, Chapter 6, pp. 87-119 (1991).
		A. Pandey et al., "Activation of the Eck receptor protein tyrosine kinase stimulates phosphatidylinositol 3-kinase activity," <u>J. Biol. Chem.</u> , <b>269</b> , 30154-30157 (1994).
		A. Pandey et al., "Characterization of a novel src-like adapter protein that associates with the Eck receptor tyrosine kinase," <u>J. Biol. Chem.</u> , <b>270</b> , 19201-19204 (1995).
		J. T. Parsons et al., "Protein-tyrosine kinases, oncogenes, and cancer", <u>Important Adv. Oncol.</u> , 3-17 (1993)
		E. B. Pasquale, "The Eph family of receptors", <u>Current Opinion in Cell Biology</u> , <b>9</b> , 608-615 (1997)
		R. Patarca "Protein Phosphorylation and Dephosphorylation in Physiologic and Oncologic Processes", <u>Critical Reviews in Oncogenesis</u> , <b>7</b> , 343-432 (1996)
✓		R. J. Pauley et al., "The MCF10 family of spontaneously immortalized human breast epithelial cell lines: models of neoplastic progression", <u>Eur J. Cancer Prev</u> <b>2 Suppl</b> , 3 67-76 (1993)

<b>EXAMINER</b> Natalie Davis	<b>Date Considered</b> 6-20-01
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FEB 12 2001

B No. 0651-0011

RECEIVED

<b>INFORMATION DISCLOSURE STATEMENT</b>	<b>Atty. Docket No.:</b> 290.0009 0101	<b>Serial No.:</b> 09/640,952
	<b>Applicant(s):</b> Michael S. Kinch et al.	
	<b>Filing Date:</b> August 17, 2000	<b>Group:</b> 1645

		Pegram et al., Abstract, "Antibody dependent cell-mediated cytotoxicity in breast cancer patients in Phase III clinical trials of a humanized anti-HER2 antibody," <u>Proc. Am. Assoc. Cancer Res.</u> , <u>38</u> , 602 (1997).
		M. D. Pegram et al., "HER-2/neu as a predictive marker of response to breast cancer therapy," <u>Breast Cancer Res. Treat.</u> , <u>52</u> , 65-77 (1998).
		M. F. Press et al., "HER-2/neu Oncogene Amplification and Expression in Breast and Ovarian Cancers," <u>Prog. Clin. &amp; Biol. Res.</u> , <u>354A</u> , 209-221 (1990).
		J. E. Price, "Analysing the metastatic phenotype", <u>J. Cell Biochem.</u> , <u>56</u> 16-22 (1994)
		J. E. Price, "Metastasis from human breast cancer cell lines", <u>Breast Cancer Res. Treat.</u> , <u>39</u> 93-102 (1996)
		J. S. Rhim et al., "Human Prostate Carcinogenesis," <u>Crit. Rev. Oncog.</u> , <u>8</u> , 305-328 (1997).
		S. Roche et al., "Sre-like adaptor protein (SLAP) is a negative regulator of mitogenesis", <u>Current Biol.</u> , <u>8</u> 975-978 (1998)
		I. M. Rosenberg et al., "Epithelial cell kinase-B61: an autocrine loop modulating intestinal epithelial migration and barrier function," <u>Am. J. Physiol.</u> , <u>273</u> , G824-G832 (1997).
		S. A. Rosenberg, "Principles of Cancer Management: Surgical Oncology", <u>Cancer: Principles and Practice of Oncology, Fifth Edition</u> , V. T. Devita, Jr. et al., Eds., Lippincott-Raven, Philadelphia, cover page, table of contents and 295-333 (1997)
		E. Ruoslahti, "Cell adhesion and tumor metastasis", <u>Princess Takamatsu Symp.</u> , <u>24</u> 99-105 (1994)
		E. Ruoslahti, "Fibronectin and Its Integrin Receptors in Cancer" <u>Advances in Cancer Research</u> , <u>76</u> , 1 - 20 (1999)
		M. F. Sarosdy et al., "Prediction of Response to Cancer Chemotherapy", <u>Drugs</u> , <u>26</u> , 454-459 (1983)
2		D. D. Schlaepfer et al., "Signal transduction from the extracellular matrix-a role for the focal adhesion protein-tyrosine kinase FAK", <u>Cell Structure Function</u> , <u>21</u> 445-450 (1996)

<b>EXAMINER</b> <i>Notable Davis</i>	<b>Date Considered</b> <i>6-20-01</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FEB 12 2001

IB No. 0651-0011

Page 6 of 6

**INFORMATION  
DISCLOSURE  
STATEMENT**

App. Docket No.: 290.0009 0101

Serial No.

RECEIVED

FEB 20 2001

Applicant(s): Michael S. Kinch et al.

Filing Date: August 17, 2000

Group: 1645

TECH CENTER 1600/2900

NM		S. Shak, "Overview of the trastuzumab (Herceptin) anti-HER2 monoclonal antibody clinical program in HER2-overexpressing metastatic breast cancer," <u>Seminars Oncol.</u> , <u>26</u> , 71-77 (August 1999).
		D. J. Slamon et al., "Studies of the HER-2/neu Proto-oncogene in Human Breast and Ovarian Cancer," <u>Science</u> , <u>244</u> , 707-712 (1989).
		P. S. Steeg et al. "Molecular analysis of premalignant and carcinoma in situ lesions of the human breast", <u>Am J Pathology</u> , <u>149</u> 733-738 (1996)
		P. van der Geer et al., "Receptor Protein-Tyrosine Kinases And Their Signal Transduction Pathways," <u>Annu. Rev. Cell Biol.</u> , <u>10</u> , 251-337 (1994).
		H. D. Varmus et al., "Biochemical mechanisms of oncogene activity: proteins encoded by oncogenes", <u>Cancer Surv.</u> , <u>5</u> 153-158 (1986)
		T. Volberg et al., "The effect of tyrosine-specific protein phosphorylation on the assembly of adherens-type junctions," <u>EMBO J.</u> , <u>11</u> , 1733-1742 (1992).
		J. Walker-Daniels et al., "Overexpression of the EphA2 Tyrosine Kinase in Prostate Cancer," <u>Prostate</u> , <u>41</u> (4):275-280 (December 1999).
		D. J. Waters et al., "Spontaneous Metastasis of PC-3 Cells in Athymic Mice After Implantation in Orthotopic or Ectopic Microenvironments," <u>Prostate</u> , <u>26</u> , 227-234 (1995).
		V. M. Weaver et al., "The development of a functionally relevant cell culture model of progressive human breast cancer," <u>Semin. Cancer Biol.</u> , <u>6</u> , 175-184 (1995).
		L. M. Weiner, "Monoclonal antibody therapy of cancer," <u>Seminars Oncol.</u> , <u>26</u> , 43-51 (October 1999).
		N. D. Zantek et al., Abstract "Identification of an Adhesion-Associated Tyrosine Kinase that is Tightly Regulated In Breast Cancer," American Society for Cell Biology, (December 15, 1998).
✓		N. D. Zantek et al., "E-Cadherin Regulates the Function of the EphA2 Receptor Tyrosine Kinase," <u>Cell Growth Differ.</u> , <u>10</u> (9):629-638 (September 1999).

EXAMINER

Notchwe Davis

Date Considered

6-20-01

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.